



**P K PUMPS PVT.LTD.**

AN ISO 9001-2008 COMPANY



**PRODUCT RANGE**  
**CENTRIFUGAL PUMPS**  
ACC. DIN EN ISO/ASME

[www.pkpumps.in](http://www.pkpumps.in)





# P.K.PUMPS & PRECICAST PVT LTD

EXPERIENCE  
RESPONSIBILITY  
PASSION



## The company

**P.K.PUMPS AND PRECAST PVT LTD, was incorporated in 1997. It is considered a single window to design, manufacture, install and commission a variety of tailor made fluid handling systems and solutions.**

**P.K.PUMPS manufactures industrial pumps, engineered pumps, agricultural and process pumps..**

**P.K.PUMPS has executed pumping projects on turnkey basis for key sectors like Sugar,power, water supply and irrigation on a large scale.**

**It has capability to provide pumping solutions from concept to commission on EPC basis.**

**In addition to its superior corporate resource planning and strict quality assurance system, it has a state-of-the-art in-house foundry and equipment facility.**



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# P.K.PUMPS STRENGTH

## ADVANCED MATERIAL – HIGHEST QUALITY

P.K.PUMPS product range covers pump systems for a number of industries.

They are used e.g. for pumping corrosive and erosive liquids, in temperature sensitive applications (refrigeration, heat transfer), in power stations, liquid gas plants or in galvanic processes.

Beside steel and stainless steel, corrosion-resistant materials, such as nickel- and titanium-based alloys, are forming today's basis.

A state-of-the-art quality management system guarantees the highest degree of quality. The reliability of our products is supported by comprehensive factory service, provided on-site 24 / 7.

P.K.PUMPS inhouse cast iron and stainless steel foundry, enables us to produce a variety of castings within stipulated time.



**FOUNDRY**

## MACHINING FACILITY



## QUALITY ASSURANCE

A major element of the P.K.PUMPS ethos is to ensure highest product quality.

Existing quality assurance procedures with P.K.PUMPS suppliers are constantly monitored from order placement to goods receipt and final assembly. This quality assurance system, developed on latest technologies, complies with the requirements of international regulations.

## MATERIAL TREATMENT AND TESTING

- HEAT TREATMENT.
- MATERIAL TESTING LABORATORY.
- NDT LABORATORY.

## PUMP TEST BED

- P.K.PUMPS centrifugal pumps are backed up by world class testing facility.
- Our inhouse, pump test bed, with water tank capacity of 40000 litres, followed by hydraulic institute pump test standard procedures.
- Hydraulic Performance test over the complete range of operations on the prototype Pump
- Close circuit NPSHR  
Noise, vibration and endurance test  
Cavitation and erosion test.

# END SUCTION PROCESS PUMP-PKD MODEL



P.K. End Section Process Pump PKD/PKDQF/PKDJ process pumps are used for handling various types of chemical liquids. These process pumps are manufactured to close tolerance and are of rigid construction. PKD/PKDQF/PKDJ process pumps are either gland packed or mechanically sealed. PKD pumps come with an enclosed impeller (with casing cover for heating/cooling arrangement.). PKD-QF pumps are equipped with a semi-open impeller while the PKD-J type pumps come with a jacketed delivery, casing and casing cover.



**DIN  
EN ISO**

**Max. Flow. Rate**

**750 Cu.Mtr**

**Max. Temperature Range**

**- 50 to 350 Deg.Celcius**

**Max. Delivery Head**

**150 Meters.**

**Pressure Rating**

**16-25 kg/sq.cm**

## APPLICATIONS

- Process industries
- Petro-chemical industry
- Nuclear industry
- Refineries, fertiliser, paper, sugar and other industries
- Air-conditioning
- Distilleries
- Water treatment plants

## FEATURES

- Horizontal and single stage
- Top center line delivery
- Oil lubricated bearings
- API flushing plan



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# SOLID HANDLING PUMP-PKS MODEL



PKS solid handling pumps are single stage, single suction pumps with a back pull out type design. These are horizontal non-clog. The impeller is single suction type non-clog, free flow dynamically balanced. PKS solid handling pumps have standard grease lubrication, although oil lubrication is also available as an option with mechanical sealing. The complete range of PKS solid handling pumps is covered by four driving units, thereby reducing inventory and achieving interchangeability of parts.

## APPLICATIONS

- Sludge and paper pulp
- Sewage and waste water
- Viscous liquids and fibrous materials
- Contaminated process liquids
- Bagasse
- Strained and unstrained juice
- Power material slurries
- Sugar factory waste

PRACTICAL  
APPLICATION-  
SPECIFIC  
SOLUTION.



Max. Flow. Rate

**800 Cu.Mtr**

Max.Delivery Head

**90 Meters.**

Max.Temperature Range

**- 10 to 140 Deg.Celcius**

Pressure Rating

**16 BAR**

## FEATURES

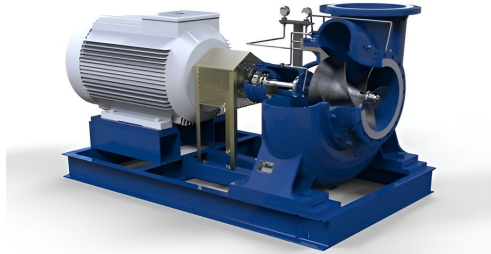
- Solid size up to 105 mm
- Gland packed/mechanical Seal
- 50 Hz/60 Hz availability
- Available in vertical execution



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# MIXED FLOW PUMP-PKMF MODEL



**Max. Flow. Rate**  
**7000 Cu.Mtr**

**Max. Temperature Range**  
**5 to 140 Deg.Celcius**

**Max. Delivery Head**  
**30 Meters.**

**Delivery Size**  
**Upto 450mm**

PK MF pumps are single stage, horizontal spindle volute type foot-mounted end suction pumps fitted with oil lubricated ball bearings and thrust bearing. These are low head and high capacity water pumps available with either horizontal or vertical delivery options. PKMF water pumps are provided with semi-open type mixed flow impeller. r.

## APPLICATIONS

- Air-conditioning
- Drainage
- Irrigation
- Storm water

## FEATURES

- Low head, high capacity pumps
- Gland packed/mechanical seal
- 50HZ/60HZ availability



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# HORIZONTAL AXIALLY SPLIT CASE PUMP -PKU MODEL



PKU series are horizontal split casing type pumps with suction, discharge nozzles and their supporting feet integrally cast in the lower half casing. This construction enables to remove the rotating unit for inspection and repairs by just removing upper half casing and without disturbing alignment, pipe connection or prime mover.

EXPERIENCE  
EXPERTISE  
PERFORMANCE



Max. Flow. Rate  
**3000 Cu.Mtr**

Max. Temperature Range  
**5 to 140 Deg.Celcius**

Max. Delivery Head  
**30 Meters.**

Delivery Size  
**Upto 510mm**

## APPLICATIONS

- Air-conditioning
- Firefighting
- Irrigation
- Paper, sugar and textile mills
- Power plants
- Water supply

## FEATURES

- Gland packed/mechanical seal
- 50HZ/60HZ availability
- Good suction performance and low NPSH
- Vibration-free performance



## PUMP SPARES



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